

INDIANA & MICHIGAN
ELECTRIC COMPANY
DONALD C. COOK NUCLEAR PLANT

PROCEDURE COVER SHEET

Procedure No. PMP 2081 EPP.005

Revision No. 1

TITLE PERSONNEL EVACUATION

SCOPE OF REVISION

Rev. 1: Changed SOE to SS.

DCR

MAY 28 1982

SIGNATURES

	ORIGINAL	Rev. 1	REV. 2	Rev. 3
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DEPARTMENT HEAD APPROVAL	N.A.	N.A.		
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Revision Number and Date

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Revision 1 - 5/25/82
Revision 0 - 4/1/81
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INDIANA & MICHIGAN ELECTRIC COMPANY
DONALD C. COOK NUCLEAR PLANT

PERSONNEL EVACUATION

1.0 OBJECTIVES

This procedure describes the actions necessary to assure safe and expeditious evacuation from local work areas to predesignated on-site assembly areas and to alternate off-site reassembly areas, if necessary.

2.0 RESPONSIBILITIES

The Shift Supervisor (SS) On-Site Emergency Coordinator (OSEC) is responsible for determining the need for initial evacuation to on-site assembly areas.

The Radiological Assessment Director (RAD) in coordination with the Radiation Protection Director (RPD) is responsible for recommending further evacuation requirements to off-site reassembly areas based on radiological assessment and/or projections.

All personnel at DCCNP are responsible for knowing evacuation routes from assigned working areas; knowing the locations of their designated assembly areas and reporting to their designated assembly area when directed..

The Emergency Security Team is responsible to assist and support evacuation operations as requested by SS/OSEC.

3.0 INSTRUCTIONS # OPTIONAL CHECKLIST ENTRY PROVIDED

3.1 The SS/OSEC shall:

3.1.1 Determine need for evacuation of site personnel using criteria contained in EXHIBIT A, AFFECTED AREA EVACUATION CRITERIA.

3.1.2 Initiate evacuation notification.

3.2 The RPD shall:

3.2.1 Initiate monitoring activity of TSC and OSA as soon as possible after evacuation notification to determine habitability of pre-designated on-site assembly areas shown in EXHIBIT B, PLANT ASSEMBLY AREAS FOR ON-DUTY PERSONNEL AND REPORTING OFF-DUTY PERSONNEL.

3.2.2 Report all pre-designated on-site assembly areas that are uninhabitable to SS/OSEC.

3.3 The RAD shall:

3.3.1 Recommend potential reassembly areas to SS/OSEC if necessary.

NOTE: POTENTIAL OFF-SITE REASSEMBLY AREAS ARE SHOWN IN EXHIBIT C, OFF-SITE REASSEMBLY AREAS.

3.3.2 Recommend evacuation routes that minimize personnel radiation exposures to SS/OSEC.

3.4 The ESTL shall assist in controlling evacuation routes as requested by the RAD/RPD.

3.5 Emergency Center Managers involved in evacuation to reassembly areas shall report personnel accountability status to the OSA Manager or SS/OSEC as appropriate.

AFFECTED AREA EVACUATION CRITERIA

OUTSIDE AFFECTED AREA		INSIDE AFFECTED AREA	
		Unessential Personnel	Essential Personnel
Precautionary Release of Personnel			
Dose Rate (mrem/h) (unanticipated)	0.5 (lasting 10h)	2.5	1000(a)
Airborne Activity ($\mu\text{Ci}/\text{cm}^3$) unevaluated(d)	1.0E - 10(b)	9.0E - 09	3.6E - 07(c)

- Notes:
- (a) As deemed necessary, the OSEC may elect to utilize higher dose rates for emergency response personnel for life-saving and facility saving actions based on pre-planned occupational radiation exposures under emergency conditions. Assessment actions should be planned within regulatory and administrative exposure limits. (See EPP 2.7).
 - (b) Equal to 25% of weekly limit (unrestricted area).
 - (c) Equal to 40 MPC/h unevaluated. Respiratory protection should be utilized unless unfeasible.
 - (d) Equal to 520 MPC/h unevaluated (Quarterly Limit 10CFR20.103(a)(1)). Respiratory protection should be utilized unless unfeasible.

PLANT ASSEMBLY AREA FOR ON-DUTY PERSONNEL AND REPORTING OFF-DUTY PERSONNEL

Control Room
(Affected Unit)

* Plant Manager *
* SS
Operations Supt.
Shift Techn. Advisor
Prod. Supv. Operations
(affected unit)
On-Shift Operators

Emergency News Source
(Energy Information
Center)

* Mgr. Cook Nuclear Ctr.
EIC Employees
EIC Visitors

Technical Support
Center

Techn. Support Mgr.
Asst. Plt. Mgrs.
Techn. Supt.
Plt. Chem. Supv.
Plt. Rad Prot. Supv.
NRC Repr. 2
Westinghouse Repr. 1
Prod. Supv. Operations
(unaffected unit)
Plant C&I Engr.
Perf. Supv. Engr.
Envir. Supv.
Prod Supv. Techn.
Avail. ST Advisors

Operations Staging
Area

* Maintenance Supt.
All others within
Protected Area
excluding SAS Peronnel
(Security)

Off-Duty Personnel Should Report
to Primary (or Alternate)
Assembly Area, as Directed

Alternate
Stevensville
Substation

Security Control
Center

* Emergency Security
Team Leader
SAS personnel
Emergency Security
Team
Escort Personnel

Primary
I-94 Gate House

* Directors (of personnel resources)

OFF-SITE REASSEMBLY AREAS

Reassembly Area One

Proceed east along the main entrance road
and reassemble across Red Arrow Highway along
main access road.

Reassembly Area Two

Proceed north along Lake Michigan and
reassemble on the beach at the plant
property line or Rosemary Road.

Reassembly Area Three

Proceed south along Lake Michigan Beach
and reassemble on the Beach at the end
of Livingston Road.

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CHECKLIST PMP 2081 EPP.005PERSONNEL EVACUATION

- 3.1 SS /OSEC Determine need for
evacuation:

_____/_____
initials time

- 3.2 Personnel movement to designated
Assembly Areas:

_____/_____
initials time

- 3.5 Move to Off-Site Reassembly Areas
if appropriate:

_____/_____
initials time

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